

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 14507-50900
INTERNATIONAL APPLICATION NO. PCT/US2004/000755		U.S. APPLICATION NO. (if known, see 35 CFR 1.55) Unassigned 10/542117
INTERNATIONAL FILING DATE 13 January 2004		PRIORITY DATE CLAIMED 13 January 2003
TITLE OF INVENTION Methods Of Detecting Gene Expression In Normal And Cancerous Cells		
APPLICANT(S) FOR DO/EO/US Lily Yang, Gang Bao, Charles Staley, and Cynthia Cohen		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input checked="" type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Unassigned 10/542117		INTERNATIONAL APPLICATION NO. PCT/US2004/000755		ATTORNEY'S DOCKET NUMBER 14507-50900	
20. Other items or information: PCT Request PCT/RO/101; PCT/ISA/225; Response to Invitation to Furnish Nucleotide and/or Amino Acid Sequence Listing; PCT/IB/301; PCT/IB/306; PCT/IB/308 First Notice; PCT/IB/308 Second Notice; Credit Card Authorization in the Amount of \$812.50; Authorization to Charge and fee deficiencies or credit any overpayments to Deposit Account; Return Postcard					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$	300.00
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$	
All other situations..... \$200					0.00
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					0.00
TOTAL OF 21, 22 and 23 =				\$300.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
83 - 100 =	0 /50 =	0	x \$250	\$	0.00
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	49 - 20 =	29	x \$ 50	\$	725.00
Independent claims	6 - 3 =	3	x \$200	\$	600.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	1625
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					812.50
SUBTOTAL =				\$	812.50
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
				+	
TOTAL NATIONAL FEE =				\$	812.50
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
				+	
TOTAL FEES ENCLOSED =				\$	812.50
				Amount to be refunded:	\$
				Amount to be charged	\$ 812.50

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 50-3537 in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3537. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Morris, Manning & Martin, LLP
1600 Atlanta Financial Center
3343 Peachtree Road NE
Atlanta, Georgia 30326-1044


SIGNATURE

Tim Tingkang Xia, Esq.

NAME

45,242

REGISTRATION NUMBER

S/N Unassigned

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE


Applicant:	Lily Yang et al.	Express Mail Label No.	EL617581195US
Serial No.:	Unassigned	Group Art Unit:	Unassigned
Filed:	July 12, 2005	Docket No.:	14507-50900
Title:	METHODS OF DETECTING GENE EXPRESSION IN NORMAL AND CANCEROUS CELLS		

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EL617581195US

Date of Deposit: July 12, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
Name: Tim Tingkang Xia

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 12, 2005

CUSTOMER NO. 24728

Dear Sir:

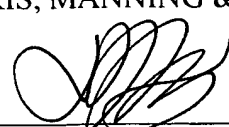
Please charge any additional fees or credit overpayments to **Deposit Account**

No. 50-3537.

Respectfully submitted,

MORRIS, MANNING & MARTIN, LLP

July 12, 2005


Tim Tingkang Xia, Esq.
Reg. No. 45,242
Attorney for Assignee on the Record
TTX

MORRIS, MANNING & MARTIN, LLP
1600 Atlanta Financial Center
3343 Peachtree Road, N.E.
Atlanta, Georgia 30326-1044
Phone: 404-233-7000
Direct: 404-495-3678
Customer No. 24728

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lily Yang, et al.
Docket: 14507-50900
Title: METHODS OF DETECTING GENE EXPRESSION IN NORMAL AND CANCEROUS CELLS

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: E1617581195US

Date of Deposit: July 12, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express' Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Name: Tim Tingkang Xia

Mail Stop PCT
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P.O. Box 1450
Alexandria, VA 22313-1450

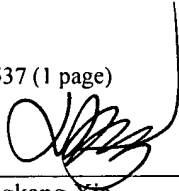
Customer No. 24728

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Letter to the United State Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (3 pages)
- ☒ Copy of International Publication No. WO 2004/062487 A2(56 pages)
- ☒ Copy of PCT Request PCT/RO/101 (5 pages)
- ☒ Copy of PCT/ISA/225 Invitation to Furnish Nucleotide and/or Amino Acid Sequence Listing (1 page)
- ☒ Response to Invitation to Furnish Nucleotide and/or Amino Acid Sequence Listing (7 pages)
- ☒ A diskette with the Sequence Listing (1 diskette)
- ☒ Copy of PCT/IB/301 Notification of Receipt of Record Copy (2 pages)
- ☒ Copy of PCT/IB/306 Notification of the Recording of a Change (1page)
- ☒ Copy of PCT/IB/308 First Notice Informing the Applicant of the Communication of the International Application (1 page)
- ☒ Copy of PCT/IB/308 Second and Supplementary Notice Informing the Applicant of the Communication of the International Application (1 page)
- ☒ Application Data Sheet (4 page)
- ☒ Copy of General Power of Attorney (1 page)
- ☒ Credit Card Authorization Form-2038 in the Amount of \$812.50
- ☒ Authorized to charge any additional fee(s) or underpayments of fee(s) or credit any overpayments under 37 CFR 1.16 and 1.17 to Deposit Account No. 50-3537 (1 page)
- ☒ Return postcard

Please send all Correspondence to:
Tim Tingkang Xia, Esq.
MORRIS, MANNING & MARTIN, LLP
1600 Atlanta Financial Center
3343 Peachtree Road NE
Atlanta, Georgia 30326
404-233-700 (Main)
404.495.3678 (Direct)
Customer No. 24728

By: 
Name: Tim Tingkang Xia
Reg. No.: 45,242
TX

10/542117

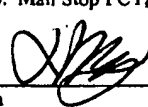
S/N: PCT/US2004/000755

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Yang et al.	Docket:	14507-44296 (previously 60068.5WOU1)
Serial No.:	PCT/US2004/000755	Filed:	January 13, 2004
Due Date:	February 11, 2005	Authorized Officer:	Sigfried Hostad
Title:	<i>Methods of Detecting Gene Expression in Normal and Cancerous Cells</i>		

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the papers, as described herein, are being deposited via First Class Mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on January 31, 2005.

By: 
Tim Tingkang Xia

**RESPONSE TO NOTICE TO INVITATION TO FURNISH NUCLEOTIDE AND/OR
AMINO ACID SEQUENCE LISTING AND/OR TABLES RELATED THERETO
COMPLYING WITH STANDARD AND/OR TECHNICAL REQUIREMENTS**

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Customer No. 24728

January 31, 2005

Dear Officer Hostad:

In response to the Invitation to Furnish Nucleotide And/or Amino Acid Sequence Listing And/or Tables Related Thereto Complying With Standard And/or Technical Requirements mailed January 11, 2005. Applicant hereby submits,

- a) a paper copy of Sequence Listing in **written form** (3 pages);
- b) that the Sequence Listing does not go beyond the disclosure in the international application as filed;
- c) a diskette with electronic copy of Sequence Listing in **computer readable form** (1 diskette);
- d) that the Sequence Listing information recorded in **computer readable form** (on paper or compact disc) is identical to the Sequence Listing in **written form**;
- e) that the submission of (a) and (c) includes no new matter.

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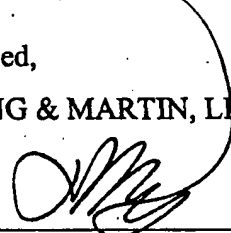
S/N: PCT/US2004/000755

Please send any future correspondence to Mr. Tim Tingkang Xia at the address associated with Customer Number 24728, and kindly update the record at the PCT Receiving Office to reflect the current Attorney Docket No. 14507-44296.

Applicant believes that the submission of this paper with the statements as set forth above completes the filing of all necessary papers and respectfully requests that the referenced application be passed along for examination.

Respectfully submitted,
MORRIS, MANNING & MARTIN, LLP

January 31, 2005



Tim Tingkang Xia
Reg. No. 45,242

MORRIS, MANNING & MARTIN, L.L.P.
1600 Atlanta Financial Center
3343 Peachtree Road, N.E.
Atlanta, Georgia 30326
404-233-7000 Main
404-495-3678 Direct
Customer No. 24728



The official stamp of the United States Patent and Trademark Office (USPTO) hereon acknowledges receipt by the USPTO of the documents itemized below.

Applicant:	Vanderbilt University	Mailing Date:	January 31, 2005
Serial No.:	PCT/US2004/000755	Docket No.:	14507-44296 (previously 60068.5WOU1)
Filing Date:	13 January 2004	Authorized Officer:	Sigfried Hostad
Title:	<i>Methods of Detecting Gene Expression in Normal and Cancerous Cells</i>		

Enclosed please find the following:

- ☒ Transmittal Sheet containing Certificate of Mailing
- ☒ Response to Invitation to Furnish Nucleotide and/or Amino Acid Sequence Listing (2 pages)
- ☒ Paper copy of Sequence Listing (3)
- ☒ Diskette Containing Electronic Copy of Sequence Listing (1 diskette)
- ☒ Return postcard

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2/1/2005
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